

AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. Appln. No. 09/834,941

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a cylindrical stator core in which a plurality of tooth portions are provided at intervals along the inner circumference of a cylindrical core portion and a plurality of slot portions are each formed between adjacent tooth portions; and

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a stator coil incorporated in said stator core, said stator coil having a group of coils constituted by predetermined numbers of turns of conductor wires and including a plurality of rectilinear portions and coil end portions interconnecting the end portions of adjacent rectilinear portions, said rectilinear portions being sequentially accommodated in the slot portions every predetermined number of slots and said coil end portions being protruded axially outwardly from an end surface of said stator core;

wherein each of said rectilinear portions, accommodated within said slot portions, has a polymorphic cross-section; and

wherein the ratio of the overall cross-sectional area of the group of said rectilinear portions accommodated within said slot portion, relative to the cross-sectional area of said slot portion, is not less than 75%,

wherein a greater part of the group of rectilinear portions of polymorphic cross section which are accommodated within said slot portion are directed such that a longitudinal axis of the cross-section thereof extends in the radial direction of said stator core.